



Arabidopsis PCR Reactions

Agarose Gel – 1.2% in 1X TAE

- Add SYBR Safe (10,000X-Invitrogen) to agarose after it has been cooled to 55-60°C.
- Prepare 1 KB Plus ladder (Invitrogen): 0.5 µg in 9.5 µl TE (10.1) pH8.0 + 1 µl 10 X loading buffer. This is the quantity per well.
- Add loading buffer to Arabidopsis PCR reactions
 - Spot 2 µl of loading buffer on clean plastic wrap for each sample.
 - Transfer the 10 µl reaction to the loading dye using a micropipet.
 - Mix the PCR reaction with dye by pipeting up and down (aspirate and expel the liquid several times)
- Load the mixture into the wells of the agarose gel.
- Run gel at 100 volts.

Food PCR Reactions

Agarose Gel – 1.2% in 1X TAE

- Add SYBR Safe (10,000X-Invitrogen) to agarose after it has been cooled to 55-60°C.
- Prepare 1 KB Plus ladder (Invitrogen): 0.5 µg in 9.5 µl TE (10.1) pH8.0 + 1 µl 10 X loading buffer. This is the quantity per well.
- Load 10 µl of the PCR reaction into the wells of the agarose gel.
- Run gel at 100 volts.